

## **Illinois Division**

3250 Executive Park Dr. Springfield, IL 62703 (217) 492-4640 www.fhwa.dot.gov/ildiv

March 26, 2014

In Reply Refer To: HPER-IL

Mr. Charles Ingersoll
Director of Planning & Programming
Illinois Department of Transportation
2300 South Dirksen Parkway
Springfield, Illinois 62764

Subject:

Transportation Improvement Program

Non-Exempt Amendments Conformity Determination

Chicago Metropolitan Area

Dear Mr. Ingersoll:

We approve the amendments to the FY 2010-2015 Chicago Metropolitan Agency for Planning (CMAP) Transportation Improvement Program and the FY 2012-2015 Statewide Transportation Improvement Program (STIP) as submitted with your letter dated March 18, 2014. In taking this action, we find the conformity analysis performed by CMAP meets the applicable criteria of 40 CFR 51 and 93 and that the amendments conform to the State Implementation Plan. In reaching these conclusions, we have relied on documentation presented during the Tier II consultation process. This action has been taken after consultation with the Federal Transit Administration.

We can now consider project authorization requests related to this STIP amendment. Requests must be submitted according to our letter to the Department, "Transportation Planning Support for Obligation for Federal-aid Highway Project Funds" dated December 29, 1995.

Sincerely yours,

John M. Donovan

Transportation Planning Specialist

ecc: Ms. Karen Shoup, Bureau of Urban Program Planning, IDOT

Mr. Bruce Carmitchel, Bureau of Urban Program and Planning, IDOT

Mr. Don Kopec, Chicago Metropolitan Agency for Planning

Ms. Patricia Berry, Chicago Metropolitan Agency for Planning

Mr. Reggie Arkell, Federal Transit Administration Mr. David Werner, Federal Transit Administration March 18, 2014

Ms. Catherine A. Batey Division Administrator Federal Highway Administration 3250 Executive Park Drive Springfield, Illinois 62703

Attention: John Donovan

Dear Ms. Batey:

Attached for your approval and use in accordance with paragraph 23 CFR 450.326 are copies of non-exempt amendments to the 2010-2015 Transportation Improvement Program for the CMAP Transportation Committee and the associated conformity determination Administrative modifications to the TIP are provided for your information. The MPO Policy Committee approved the TIP amendments, the Plan amendment, and the associated conformity determination on March 13, 2014.

The Northeastern Illinois region has committed itself to the integration of transportation and air quality planning. To this end, the MPO has developed procedures for incorporating air quality objectives into the transportation planning process. The TIP and Plan amendments being transmitted by this letter are in accordance with USDOT metropolitan regulations and USEPA transportation conformity regulations. The MPO has determined that the TIP and Plan amendments are in conformance with the State Implementation Program. The changes resulting from these amendments have no effect on the emissions estimates made for the region's conformity determination

We consider the estimate of costs included in the Transportation Improvement Program to be realistic. We concur with the fiscal consistency analysis included in the TIP, and the associated conformity determination. The total cost of the TIP remains consistent with the amount of funds expected to be available to this area during the TIP time period. The Department, on behalf of the Governor of Illinois, concurs with the projects listed in this TIP, and the associated conformity determination.

The State of Illinois would also like to amend its FY 2012-2015 Statewide Transportation Improvement Program (STIP) to incorporate these amendments to the CMAP Transportation Committee 2010-2015 TIP, and the associated conformity determination.

If you have any questions or concerns please contact Bruce Carmitchel at 217-785-2994.

Sincerely,

Kareh Shoup Bureau Chief



# Chicago Metropolitan Agency for Planning

233 South Wacker Drive Suite 800, Willis Tower Chicago, IL 60606

312-454-0400 (voice) 312-454-0411 (fax) www.cmap.illinois.gov

### **MEMORANDUM**

To:

**Transportation Committee** 

Date:

January 10, 2014

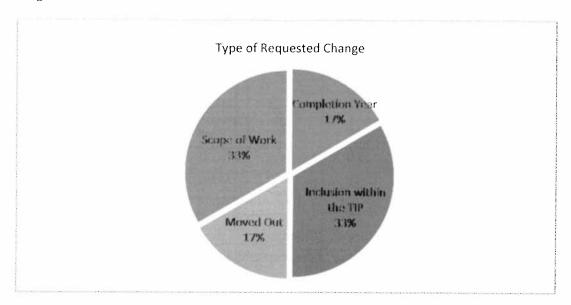
From:

**CMAP Staff** 

Re:

Semi-annual GO TO 2040/TIP Conformity Analysis & TIP Amendments

In accordance with the biannual conformity analysis policy, CMAP staff asked programmers to submit changes to projects included in the regional air quality analysis of the Transportation Improvement Program (TIP) and GO TO 2040. Of the changes requested, six (6) projects require air quality conformity analysis. Below is a summary of the types of requested changes.



If the TIP amendments are approved, two new non-exempt projects will be included in the TIP. These projects are included in the conformity analysis because funding for phases beyond preliminary engineering has been identified in the TIP. Both projects are moving closer to construction. Preliminary engineering is exempt from conformity analysis. The two new projects are:

- TIP ID <u>18-14-0004</u>: a new Auburn Park Metra Station along the Rock Island District Line between the 35<sup>th</sup> St/Bronzeville and Gresham stations at 79<sup>th</sup> and S. Wallace Streets.
- TIP ID 06-03-0005: Adding lanes on 143<sup>rd</sup> Street from Will Cook Road to IL 7 Wolf Road.

Scope changes have been requested for two existing projects. The scope of a project is determined by the <u>work type</u> included in the project.

- Non-exempt work types may affect air quality and must be tested for conformity. Examples of non-exempt work types are adding lanes to a road, signal timing and extending a rail line.
- Exempt tested work types do not require an air quality conformity analysis, but the region has chosen to include the impacts of the work types in the travel demand model. Exempt tested projects include new commuter parking lots and road lane widening to standard (e.g., 10 feet to 12 feet).
- Exempt work types do not require an air quality conformity analysis. Examples of exempt work types are road
  resurfacing and bus rehabilitation.

The two projects for which scope changes have been requested are:

- TIP ID <u>12-02-9024</u>: Illiana Expressway from I-55 to I-65. The sponsor has requested addition of two new non-exempt work types to include the expansion of interchanges and new auxiliary lanes that correlate with the requested location change (discussed below).
- TIP ID <u>06-00-0042</u>: 143<sup>rd</sup> Street from Wolf Road to US 45 LaGrange Road. The sponsor has requested a new work type for adding lanes.

A sponsor requested location changes for an existing non-exempt TIP project. This change requires a conformity amendment. The project is:

• TIP ID <u>12-02-9024</u>: Illiana Expressway from I-55 to I-65. The sponsor requested the limits include improvements on I-55 between Lorenzo Road & IL 129.

One non-exempt project moved out of the current years of the TIP and is not anticipated to be completed within the next four years:

• TIP ID 10-00-0130: Aptakisic Road from IL 83 to Buffalo Grove Road.

Completion year indicates when a project is anticipated to be in service to users. The conformity analysis is conducted for selected years between now and 2040. The analysis years are currently 2015, 2025, 2030 and 2040. If a change in completion year crosses an analysis year, the project must be included in a new conformity analysis. Sponsors indicated that several projects have updated completion years, but only one of those crossed an analysis year.

The sponsor's requested completion year change moves the following project from the 2015 analysis year to the 2025 analysis year:

• TIP ID 01-94-0006: Red Line Extension from US 12 20 95<sup>th</sup> Street to 130<sup>th</sup> Street.

# GO TO 2040 Major Capital Projects

Two GO TO 2040 Major Capital Projects are included in this report due to the implementation time frame, and changes of project scope & location. Those projects are:

- TIP ID <u>01-94-0006</u>: Red Line Extension from US 12 20 95<sup>th</sup> Street to 130<sup>th</sup> Street, the sponsor has requested moving the completion year from 2015 to 2020.
- TIP ID <u>12-02-9024</u>: Illiana Corridor Project from I-55 to I-65. The sponsor has requested including funding and work for the I-55 from Lorenzo Road to IL 129 project to the Illiana corridor.

Each TIP ID includes a hyperlink to the TIP database for further project information. Changes are included in the attached report.

TIP projects are also viewable in a map format. The TIP map is available at http://www.cmap.illinois.gov/programs-and-resources/tip/tip-data/tip-map.

The 2015, 2025, 2030 and 2040 highway and transit networks were coded to include the project changes listed in the "Non-Exempt Projects Requiring Conformity Determination" report. The regional travel demand model was run using the updated networks. The resultant vehicle miles traveled (VMT) by vehicle class, speed, time of day and facility type were entered into US Environmental Protection Agency's MOVES model. The model generated on-road emission estimates for each precursor or direct pollutant in each analysis year.

For ozone precursors, the resulting emissions inventories estimates fell below the applicable budgets for the maintenance State Implementation Plan (SIP).

Both the annual direct PM<sub>2.5</sub> and NOx emissions inventories are below the applicable budgets from the attainment SIP.

Direct PM2.5 and NOx Emissions in Tons per Year for PM2.5 Conformity

	Fine Particu	late Matter	Nitrogen Oxides			
Year	Northeastern Illinois	SIP Budget	Northeastern Illinois	SIP Budget		
2015	2,448.22	5,100.00	52,121.98	127,951.00		
2025	1,643.84	2,377.00	29,535.27	44,224.00		
2030	1,585.78	2,377.00	27,940.64	44,224.00		
2040	1,682.44	2,377.00	29,288.02	44,224.00		

conformity is demonstrated by comparison of analysis year emissions to the SIP budgets

VOC and NOx Emissions in Tons per Summer Day for Ozone Conformity

		Volatile Organ	ic Compounds	Nitrogen Oxides			
Year		Northeastern Illinois	SIP Budget	Northeastern Illinois	SIP Budget		
	2015	59.22	117.23	137.22	373.52		
	2025	44.39	48.13	75.33	125.27		
,	2030	43.85	48.13	70.89	125.27	*	
:	2040	47.02	48.13	74.10	125.27		

conformity is demonstrated by comparison of analysis year emissions to the SIP budgets

## Notes:

Off-model benefits are not included in the total emissions estimates Results updated 12/27/2013



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### **Conformity Amendments**

Pre-Revision Post-Revision Change in Project: Action Federal Funds Federal Funds Federal Funds Percentage Change (000)(000) Completion Year \$0 \$ 0

Before Revision: RED LINE EXTENSION FROM US 12 US 20 95TH ST (COOK) TO 130TH (COOK)

After Revision: CTA- 194.007 Red Line Extension FROM US 12 US 20 95TH ST (COOK) TO 130TH (COOK)

Completion Year Before Revision: 2015 Completion Year After Revision: 2020

RAIL LINE - EXTEND LINE Project Work Types Before Revision: Project Work Types After Revision:

RATI LINE - EXTEND LINE

croject main ripes meet nemann.	WARE ENAME, EVICTORY	CTIAL				
Financial Data Before Revision	Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
	TEIO	CONSTRUCTION	MYB	1050000	0	
	5389	IMPLEMENTATION	10	285	285	FY09 S339AA
	5339	IMPLEMENTATION	10	285	285	FY09 5339AA
	5339	IMPLEMENTATION	10	285	285	FY09 5339AA
	53098	IMPLEMENTATION	11	4687	3749	5309 Rail Mod
	53090	IMPLEMENTATION	MYB	194977	194977	FIX-OUTYEAR
	58	IMPLEMENTATION	MYB	194977	0	SB-OUTYEAR
	5339	IMPLEMENTATION	MYB	2000	2000	
Financial Data After Revision	Fund Source	Project Phase	FFY	<b>Total Cost</b>	Federal Cost	Segment
	TBD	CONSTRUCTION	MYB	1050000	0	
	5339	IMPLEMENTATION	10	285	285	FY09 5339AA
	5339	IMPLEMENTATION	10	285	285	FY09-5339AA
	5339	IMPLEMENTATION	10	285	285	FY09 5339AA
	53098	IMPLEMENTATION	ti .	4687	3749	5309 Rail Mod
	53098	IMPLEMENTATION	MYB	194977	194977	FIX-OUTYEAR
	58	IMPLEMENTATION	MYB	194977	0	SB-OUTYEAR
	5339	IMPLEMENTATION	MYB	2000	2000	

Project:		Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change
06-00-0042	Southwest Council of Mayors	Project Scope Change	\$0	\$2958	\$ 2958	

FAU 1600 143RD STREET FROM FAU 2688 WOLF ROAD (COOK/Orland Park) TO US 45 LAGRANGE RD (COOK/Orland Park)

Completion Year Before Revision: 2016 Completion Year After Revision: 2016

Project Work Types Before Revision: HIGHWAY/ROAD - WIDEN LANES AND RESURFACE

HIGHWAY/ROAD - ADD LANES Project Work Types After Revision:

Financial Data Before Revision Fund Source Project Phase FFY Total Cost Federal Cost CTD4 ENGINEERING-II MY8 1515 1000 STP-L CONSTRUCTION MYB 11000 1000 Includes E3 - Max CE3 not to exceed \$2,000,000 ENGINEERING-II MY8 120 State (SRF) +50% of Local STP-L ENGINEERING-I MYB 1368 958 Financial Data After Revision Fund Source Project Phase FFY Total Cost Federal Cost Segment STP-L ENGINEERING-II 14 1515 1000 STP-L CONSTRUCTION 15 11000 1000 Includes E3 - Max CE3 not to exceed \$2,000,000 ENGINEERING-II State (SRF) -50% of Local 120 STP-L ENGINEERING-I 14 1368 958

Project:		Action	Federal Funds (000)	Federal Funds (000)	Federal Funds (000)	Percentage Change
06-03-0005	Southwest Council of Mayors	Not Exempt Project Moved into Tip	\$0	\$1396	\$ 1396	

FAU 1600 143RD ST FROM FAU 2688 WILL COOK RD (COOK/Orland Park) TO IL 7 WOLF RD (COOK/Orland Park)

Completion Year Before Revision: 2016 Completion Year After Revision: 2016

Project Work Types Before Revision: HIGHWAY/ROAD - ADD LANES Project Work Types After Revision: HIGHWAY/ROAD - ADD LANES

Financial Data Before Revision Fund Source Project Phase STP-L ENGINEERING-II MYB STP-L CONSTRUCTION MYB ENGINEERING-II 31.1 MYB Financial Data After Revision Fund Source Project Phase FFY

**Total Cost** Federal Cost Seament 565 396 6600 1000 Indudes F1 6d State (SRF) -50% of Local **Total Cost** Federal Cost Segment STP-L ENGINEERING-II STP-L CONSTRUCTION 15 6600 1000 Includes E3 ILL ENGINEERING-II 14 State (SRF) -50% of Local

Gray Financial Data Records are for informational purposes only and not included in the TIP

Project:	Action		Pre-Revision Federal Funds (000)		Post-Revis Federal Fu (000)		Change in Federal Funds (000)	Percentage Change
12-02-9024	CMAP Scope Char	~	\$0		\$101475		\$ 101475	
	: ILLIANA EXPY FROM I- 5		<i>'</i>				the second	
Completion Yea	ILLIANA EXPY FROM 1-5  Before Revision: 2018	9 (MIET) 1- 03 (I	LAKE) INCludes improvi	ement	5 ON 1-55 DE	ween Lorenzo i	KO & IL 129	
	After Revision: 2018 pes Before Revision:	HIGHWAY/RC	AD - NEW ROAD					
	pes After Revision:		AD - NEW ROAD					
		INTERCHANG INTERCHANG	E - EXPAND (NEW MO)	VEMEN	ITS ADDED	ro		
		INTERCHANG HIGHWAY/RC	E - RECONSTRUCTION DAD - ADD LANES DAD - WIDEN LANES AN		SURFACE			
Financial Data B	efore Revision	Fund Source	Project Phase	FFY	Total Cos	t Federal Cos	t Segment	
		TLL	ENGINEERING-I	13	19134	0	1-77676-1300	
		ĪLL	ENGINEERING-I	14	6400	0	1-77676-1400	
		IL.L	ENGINEERING-I	15	6400	0	1-77676-1500	
		ILL	ENGINEERING-I	13	600	0	1-77676-1350	
		ILL ILL	ENGINEERING-I	14	600	0	1-77676-1450	
		ILL	ENGINEERING-I ENGINEERING-I	15 13	600 15000	0	1-77676-1550 1-77676-1600 / P3 Services	
		ILL	ENGINEERING-I	15	2500	0	1-77676-1620	
		ILL	ENGINEERING-I	13	500	0	1-77676-4100 / Survey	
		ILL	ENGINEERING-I	14	500	0	1-77676-4200 / Survey	
		ILL	ENGINEERING-I	13	500	0	1-77676-2100 / Survey	
		ILL	ENGINEERING-I	14	500	0	1-77676-2200 / Survey	
		ILL ILL	ENGINEERING-I ENGINEERING-I	15 13	500 500	0	1-77676-2300 / Survey	
		ILL	ENGINEERING-I	14	500	0	1-77676-3100 / Survey 1-77676-3200	
		ILL	ENGINEERING-I	15	500	0	1-77676-3300	
		ILL	ENGINEERING-I	15	500	Ō	1-77676-4300 / Survey	
		ILL	ROW ACQUISITION	14	10000	0	FY16, 1-77676-6000 / LAC	
		III.	ENGINEERING-I	MYB		0,000	1-77676-0100 / Feasibility S	
		AILL	MERCHANISM AND AND A STATE OF THE STATE OF T		950	0 0		
		ILL ILL	ROW ACQUISITION		60000	i <b>0</b> Slasenteristriks	1-77676-6100	
		Fund						
Financial Data A	fter Revision	Source	Project Phase	FFY	Total Cos	t Federal Cost	Segment	
		ILL	ENGINEERING-I	13	19134	0	1-77676-1300	
		ILL	ENGINEERING-I	14	6400	0	1-77676-1400	
		ILL ILL	ENGINEERING-I ENGINEERING-I	14 13	12000 900	0	1-77676-1500 1-77676-1350	
		ILL	ENGINEERING-I	14	900	0	1-77676-1450	
		fl.L	ENGINEERING-I	15	600	0	1-77676-1550	
		ILL	ENGINEERING-I	13	12710	0	1-77676-1600 / P3 Services	
		ILL	ENGINEERING-I	16	2500	0	1-77676-1620	
		ILL	ENGINEERING-I	13	189	0	1-77676-4100 / Survey	
		ILL	ENGINEERING-I	14	811	0	1-77676-4200 / Survey	
		ILL ILL	ENGINEERING-I ENGINEERING-I	13	190 810	0	1-77676-2100 / Survey	
		ILL	ENGINEERING-I	14 15	500	0	1-77676-2200 / Survey 1-77676-2300 / Survey	
		ILL	ENGINEERING-I	13	201	0	1-77676-3100 / Survey	
		ILL	ENGINEERING-I	14	799	0	1-77676-3200	
		ILL	ENGINEERING-I	15	500	Ō	1-77676-3300	
		ILL	ENGINEER ING-I	15	500	0	1-77676-4300 / Survey	
		ILL	ROW ACQUISITION		10000	0	FY16, 1-77676-6000 / LAC	egyanga at geregging ngalanggatat est tear at early tree ence of
			ENGINEERING-I		950			
		ILL.	ROW ACQUISITION ENGINEERING-1	09	60000 3000	0	1-77676-6100 1-77633-0400 (Established),	receive
		ILL.		12	147		1-77633-1410 (Established),	
		ILL	ENGINEERING-I	14	353	0	1-77633-1411 (Balance of F	
		ILL	ENGINEERING-II	15	2500	0	1-77633-0421, 1-55	**
		ILL	ENGINEERING-II	16	3500	ő.	1-77633-0420, I-55	
		ILL	ENGINEERING-II	17	4000	0	1-77633-0430, I-55	
		ILL	ROW ACQUISITION		3500	0	1-77633-0511, I-55	
		ILL.	ROW ACQUISITION		3500	Ö	1-77633-0512, I-55	
		ILL ILL	CONSTRUCTION	17	10000	0	1-77633-0500, E3, I-55 1-77633-0355, I-55 (IL 129	to Lorenzo Rd - Frontage Rd), Utility
			CONSTRUCTION	17	500	0	Work	to Lorenzo Rd, W&RS-AUX Lanes),
		ILL.	CONSTRUCTION	17	1000		Utility Work	
		NHPP NHPP	CONSTRUCTION CONSTRUCTION	17	46000	41400	1-77633-0100, I-55 (IL 129	
		NHPP	CONSTRUCTION	17 17	23000 28750	20700 25875	1-77633-0200, I-55 (Lorenzo 1-77633-0300, I-55 (IL 129)	o Rd Interchange) to Lorenzo Rd, W&RS-Aux Lanes)
		NHPP	CONSTRUCTION	17	15000	13500		to Lorenzo Rd - Frontage Roads)
				-			/ / 863	

Project:	Action		Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change
10-00-0130 Lake County Department of Tra	nsportation Not Exem	pt Project Moved out of Tip	\$0	\$0	\$ 0	
FAU 1258 APTAKISIC RD FROM IL 83 (LAKE)	TO FAU 2657 BUFFALO GR	OVE RD (LAKE)				
Completion Year Before Revision: 2025 Completion Year After Revision: 2025						
Project Work Types Before Revision:	HIGHWAY/ROAD - ADD I	LANES				
Project Work Types After Revision:	HIGHWAY/ROAD - ADD I	LANES				
Financial Data Before Revision	Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
	CTEF	ENGINEERING-II	14	831	0	_
	STP-C	CONSTRUCTION	MY9	13262	9283	
	CIEF	FOW ACQUISITION	MYB	891	0	
	CTEF	ENGINEERING-I	13	950	0	
Financial Data After Revision	Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
	STP4	CONSTRUCTION	MYB	13262	9283	

Gray Financial Data Records are for informational purposes only and not included in the TIP.

This public notice of the revisions being made by CMAP's Transportation Improvement Program satisfies the Program of Projects requirement of Title 49, U.S. Code Section 5307 (c) (1) through (7)

CMAP, the Chicago Metropolitan Agency for Planning -- 233 South Wacker Drive, Suite 800, Chicago, IL 60606 312-454-0400 (voice), 312-454-0411 (fax)

ILL	ENGINEERING-I	14	2200	0	1-77676-1700
ILL	ENGINEERING-I	13	90	0	1-77676-5000, Will County Ombudsman agreement

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Project: Action		Pre-Revision Federal Funds (000)		Federal Funds		Change in Federal Funds (000)	Percentage Change		Change	
16-08-0010	CTA	Deleted Project			\$0					
CTA - 194.007 REI	LINE AT									
Completion Year	: 2015									
Project Work Ty	pes After	r Revision:	RAIL LINE - EXTEND LINE	Ĕ						
Financial Data A	fter Revi	sion	Fund Source	Project Pl	nase	FFY	<b>Total Cost</b>	Federal	Cost	Segment
			A 53098	IMPLEMEN	TATION	11	4687	3749		5309 Rail Mod
			53098	IMPLEMEN	TATION	MYB	194977	194977		FIX- OUTYEAR
			SB	IMPLEMEN	TATION	MYB	194977	0		SB- OUTYEAR
			5339	IMPLEMEN	TATION	10	285	285		FY09 5339AA
			5339	IMPLEMEN	and the second second second second second	10	285	285		FY09 5339AA
			5339	IMPLEMEN	FATION	10	285	285		FY09 5339AA
			5339	IMPLEMEN	TATION	MYB	2000	2000		
Project:		Action	Pre-Revision Federal Funds (000)	1	Post-Revision Federal Funds (000)		Change in Federal Funds (000)		Percentage C	hange

18-14-0004 Metra New Project Auburn Park Station AT Between 35th/Bronzeville and Gresham stations on the RID

Completion Year: 2016

Project Work Types After Revision: STATION - NEW

Financial Data After Revision Fund Source Project Phase Total Cost Federal Cost Segment ILLT IMPLEMENTATION 10000 14 4484 Ü

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